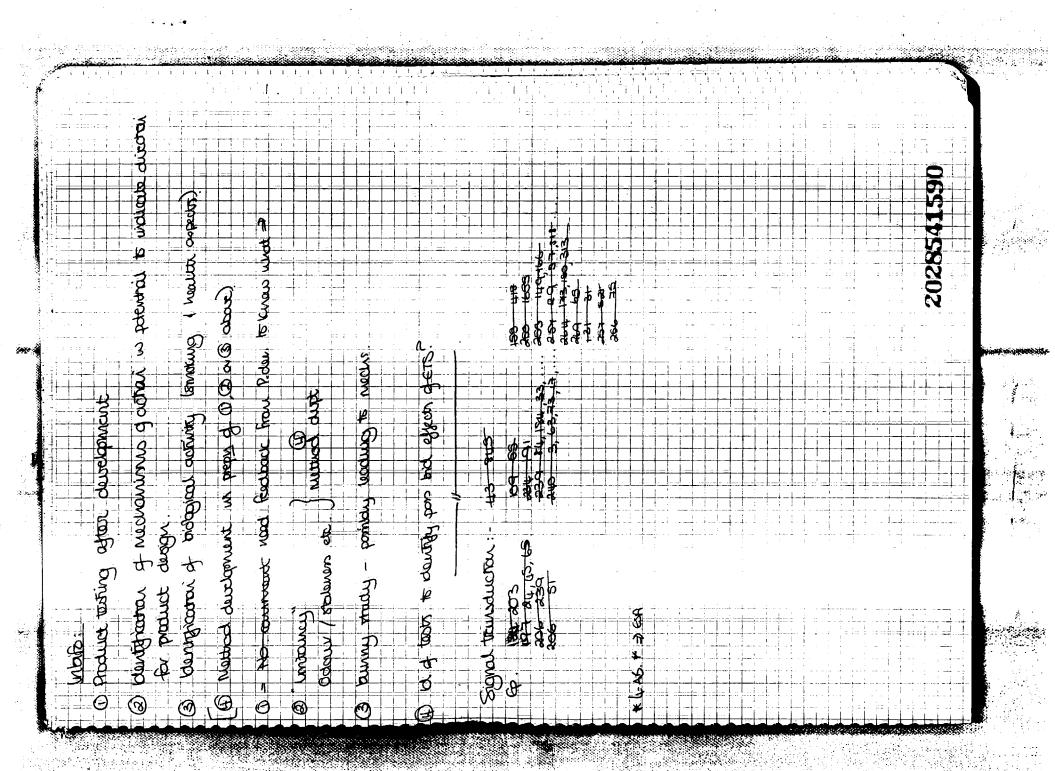


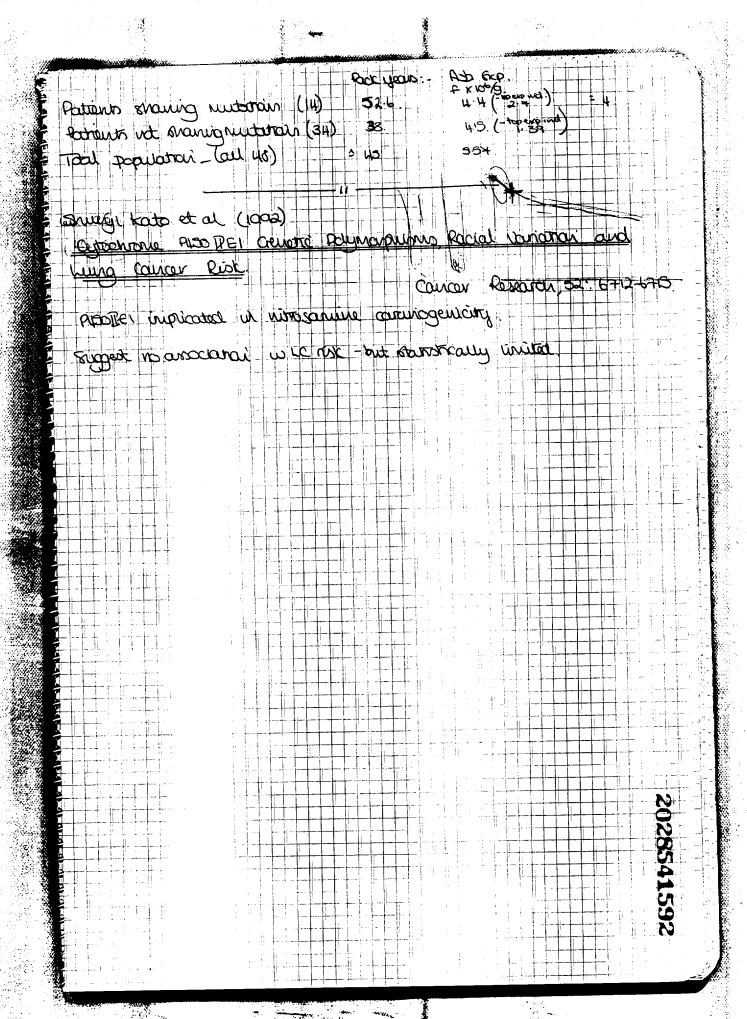
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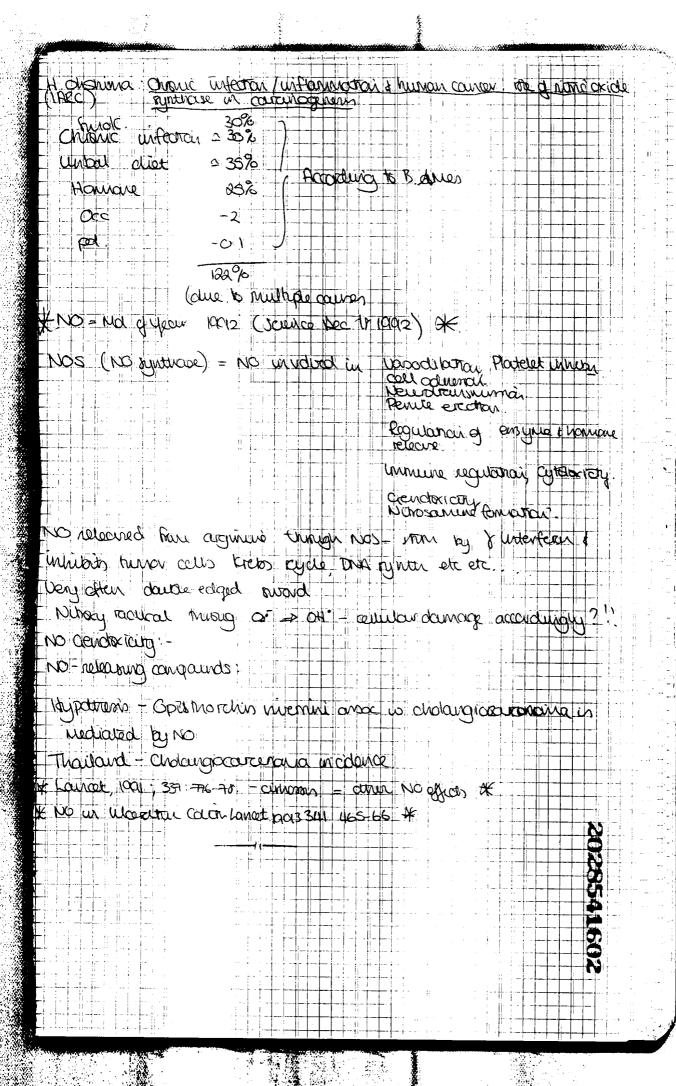
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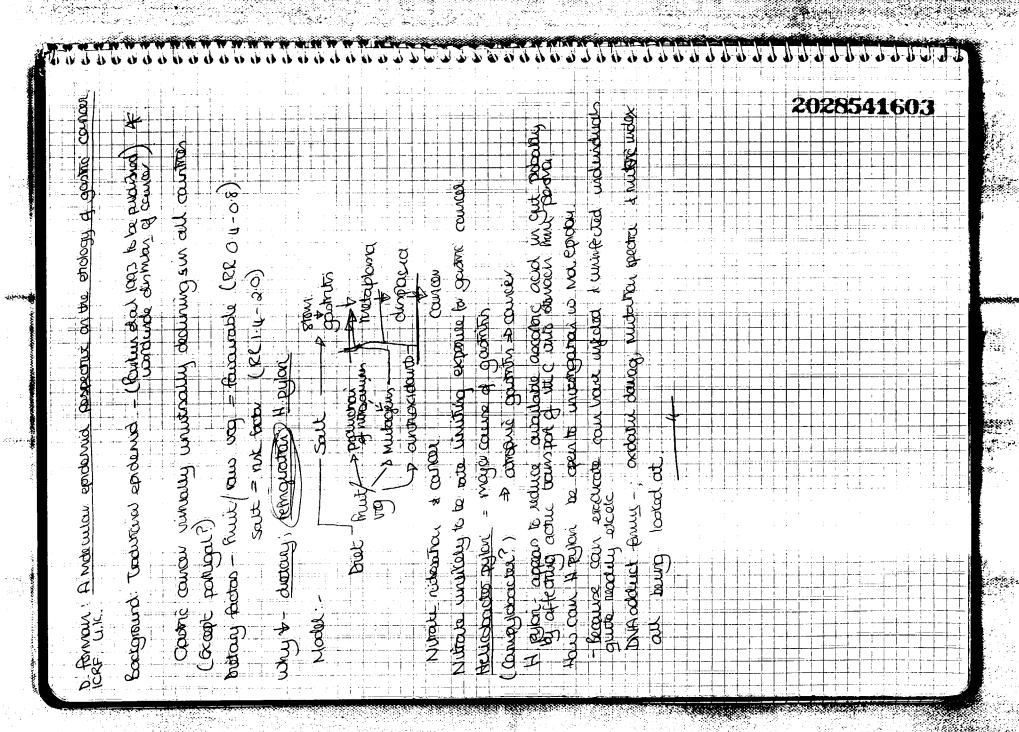
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acions in the p53 cansented region it is not reflected in the construction of the flexibility of the genetic code!

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PARALLEL SYMPOSIUM 12-11

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2028541608

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Thursday, April por 1993

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- Board Accom EULLETIN 0
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S.K. Hammond et al. 1993, JNC1 83(6): 474-478. 1993.

"Relationship between 5 minonivental Tobacco much exposure and Henryalabin Adduct levels us War moders.

This is a report of a continuous of a study as 13 preproud waven where the levels of 11-ABP-Hb odducts are related to reported ets exposures and compares these to smoking women found in the previous midit.

Mossurement of ETS exposure through detailed questionnouse, are 7 days diary and a paparnel moniter. Untersity measure adeulated based on No of mides x No of hours x proximity factor

Air sampling based on victure collision

Weeley accorde vicative concentration in 3rd trinipater used to cateophile ETS, found good conelly to questionnaine and diary.

N.B? an exporuse to become hears, gos stors, Preplaces at for 4 Notability bebulon also ethioniunation

Only 3rd trinsate exposure examined (Change of pour during expt) N.B. for some any and trimedo data available: Bood to the trimedo. detirey used to martier evaluate whether or change had occurred! (= 12 roubjects)

high Ets Delwery - mat & cord blood - 3/12 non modern- nane calleded You managers in launce cat bus.

= 35 kg/8 Hp 40 = 4 ABP MECOURED JUN 140 514 bred No = near 12 63/3HP 20 pred S by com gary = 51

4-AB levels will depend on passuix snote exp; smoking a individual motobook algo. (contently outhor) N.S also expanse to 4- Ninobiphanul

NIGOTINE EXPOSUR cotogonied unto law, medium & high ETS exposur groups and colouted mean a median adduct levels in each cotegory.

KILMS had no personal micronic exponent and use .. excluded *

Mile surely thin in valuable information as given an idea of "background exposure pamble 2028541610

Mean 4-ABP (AHD

Median 11-ABP/GHb (20) ETT exp

Luebor

N.B. refers to attraction - ref 11 & 12 should dreak there

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"The increase is not dramatic and the public health graphficance to undear
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Late, et al. 1992. (Denvant) Cartinageness, vd 13(12) 2241-2247.
Oxidative INA damage estimated by 8-Hydroaydeoxyguaronine excretain
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   Mulhiarda = sex, BM( & moling)
   Could be expained by effect an metabolic rate - Health implication undeform
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Source: https://www.industrydocuments.ucsf.edu/docs/ftcl0000

A. Penn - Progress report - CTS & attended -:-

coderels: - previous hindring ss; 2hv/day, 3day/wt, 12 dates = no effect.
Now look at ss 6hv/d, 5d/wt 16 wts.

Abdomunal auta - 30 ss exp) 6wk = 22 wk sacrities 1845 ags

Exposed in 1-3m3 chambers
Plague Index (Plague area (mm2)/lumenal circumf. (mm) x100).

CO & TOP-daving 3x
MIC wasking.

TSP = 7 - 8 mg/N3.

N.B = 8 mg/Ny higher than 2 hus 2nd (law)

Nic = 380 mg/N3

exposure groups but v. dug compositionally!

principle of the composition of the contraction of

4-AB stay - what response? -

1). St. Hannard et al paper shows that UABAb adducts are detectable us various matries at least 15.20% of the morning matries.

d,

"Diday Fat and Experimental Athenosderoris".

Int. J. Ton Dac XIII (2) 59-65, 1991

and composition as the development of attravoiderars in fallows -

Rabbits for commercial diets as follows. value office an attravoicelesses services linguist attravoices (1-4)

		stureted feet (stor		3991	3.≒1
3%,0	196 + Jan	wisch. fat. (com	1 Oil) 130	3120 (H)	271 (4)
2%	1001 + 690	coconut oil	9	2826	311
ic i	No. U.S.	bool	63	aaut (4)	2 7 (1)
u.	W W	hydrogenated con	PF LON	1084 (H)	2.5 (4)
u. u.	٠. هن	concul	19th	(W) FOD!	1.6 (M)

steani ride fats. cocoa butter (35% Hear acid)

cocoo butter (35% Hear and) 1364 186 coconut oil 1869 219 cornoil 1364 1.41

Peaulutal (4-69. largehain sal fatty acids) = atherogenic for rath 4 monteys thought due to the largehain behavior of avadridic acids.

(Atheroscleron reduced with Paf = peaulut oil minus there featty acids)

objected for

connect Coton778 (=103 aleic/winders) = 4 lipiderus, & sudanapritus connect named. (-0.43 ~ ~ .)

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Source: https://www.industrydocuments.ucsf.edu/docs/fici0000

Effect of Chowan cycle - (averaged out so probably not important)

Effect of chown your Effect of washing cycles
Effects of blooking colony (uv)
Animal v human have
(horry drave v Ets. E probably bung assed in Dilson?)

lu- uno production et interfue atimine.

Epidentialogy - Sv. NS; HE W. LE ETS - (Not unbifo but would be was)

priority scale: 2,3; 7; 8 might be interesting but=totally new story. Probably no point in furarising board studies Cottraine struction wound Radburnmunoanouy (RIA) Wylly guestannoble due to cross-reactivity of the autitody.

- 6) Can you use cotthing to distinguish between smoken and nonemoless or bottomen ETS exposure levels. In there a gradient of reion continuing along the vair? This could continu very quickly if their was any external contribution to having
- 2) will be done toy woodning procedures, as well included in the 3 studies.

Wempary hair - should we could us do anything, were outgress reconstruing concentration but is it important - probably not.

more dured meltred - measure passing level of mother i correlate with mic buch un hair.

- Summay: Publich uptate in room + few data an external uptate & possibly an washout diff will walkate human.

 My To publish.
 - Do ord purme board modely but got decline with in a locuser boad.
 - Treatment thindy speed up-including cotoning of whitespile different questionments (some of them as ben by anyong
 - biffs but varour prone & ETS exposed

Unbirth Attherosolaros monung:

Howaman - Anuval studies of Note Rogen et al (1988) - baboars.
Penn etal (1983-1993)

That their results for so are surprisingly high compared to this me results to this related to increased area, of finances as apposed to [
worked number?

Atherena - necrotic contret hibrer cap (humans) - age related = 30-6090 people how some soft of lesion.

Theorem of atherogeness - 3 mags theorem.

Read to willy loss + about (1276)

hipid theory

Manaclanal Theory = benigh manaclanal necessary ground (1273) decinant.

(hospion ? d but are solvenished evidence)

United theory - reactor to unjury I light not mutually exclusive

Steinberg (1980)

Rhumal Wodels: - N.B. some spartomeans lessions in robbits.

Requirement (1) - Similarity to humans!

of these value action is abused — deposit or in source to

shidy:- Upid accumuly = polocin genetics = polocin vois drigs = polocin sebrounies/dinial = policites

Hander appear to be more middle model than rathin w respect to similarity to human bosons but manuring areas v deflant become afterer are as small! Also may be more outlaste for wholestoric facts hander in not widely wood - Need to seriously guestar which is the botter model.

Streen fladors: how do we couldness for thur notices.

[Frank Rognaw Rybundow: - Ronald Minderson et al., 1991] And Row, Book Bry 1841, 1940 - 574.

- determination of hind hydroperoides in notice 10 by distributions and flow injection away. See als...

N.B. Atthough epidentiology tie, mechanisms notified clear.

* Basic bockground roding of reviews on mechanisms of atheroclarons - N.B. pokentral rightframa of differences bottom Rodott or atter anunals and humans.

K. Bewens:

Zhu postition study -

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Cir 2	60	20

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Brological Assay: Body up:

bleeding trie: day 1, 6 d 12.

No of circulatura, patera agg. Neuroscart Neuroscart

lemans: - Determination of area of lemans by marpham. And a pulm areas.

Additional coopylation studies should be added.

Sociation of half of each group to take away social stress from mode groups.

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Neuralth, ETS duynamics.

* He From Toyy Tricker - problems with Alep adducts of NAK = 8-3x normation (Eventolise) 5-28 x ns. why should (4-AB saures the rounge - Do couse background work an 4-AB-HO adducts ui than ba? Chereas

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30th April 1993.

Rodwig: -

D. J.W. van Neck Las Houts Crevarys:

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Manday May 3rd:

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D. J.W. van Neck & H.P.J. Bloomers, (1992)

Molecular aspects of pathological processes in the artery wall.

Mol Biol. Reports. 17:1-15 1992

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From MSP+1-17: -

Yerlshalmy J. The relationary of parents clg som to automa of pregnancy—implications as to the producing in ferming compartant moundopened associations.

Ann. J. Grideniology, 1971: 93: 1443-1436

Ahlborg, a. 4 Bodus, L. "Tobacco invoka exposure 4 preg automa among working waren". Am. J. Epidem. 1001: 133: 338-347

South Detal Tertain smoking by the form; Lauret, 1982; 1252.

Notificition and Infant we a potential smoking habits. Am J. Golden 1966, 82 249-616.

Comptonic at Lundini. Parental making of permatal motal Am Jakot. 10yn 1967, 27:1-8.

Chen Y. et al. Pasonic souding of law birth we haven, 1989, ii 54-5.

From MSP+1-22

MacArthur & know, Parmir mnorming and birth wagner. Lancet 1984: 37-38.

Schuggerz-Bictonbach et al. Smoking & parmir mnoking during pregnancy
andearly infancy effects as birthur etc. Toxical latt. 1984: 35:73-81.

Transportes, D. Parmir smoking, birthurght and estrogens. Lancet, 1985; ii 743.

from MSP+1-26

Man 9 theter P. The effects of Paternal smoking as permatal mohaling e and the incidence of malfornation. Block, Med. Weakenchi. 1974: 99:113-100

From MSPHI - 40

NRC cites 9 such studies (apparently)

(Boles etal) 1978: Smoking patterns during & before pregnancy: w., length & head curunterence of presency cur. J. Obstet, Gyn & less Bid. 1978: 8-171-177.

Linderwied; etal farental smoking empirically rel to fregoritano. obstet. Gyn. & long etal. Fig. 1-8

Long etal. Ep to cry smoking & childrens gouth lut. J. Gord. 1985: 14: 4029.

MEP+118

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Fron: Williams, G.M. (1992) DNA bartai + epigenoni consingens.

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Leonard Zahn = Chief Pe canonitant/officer for CTR.

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Xu et al. Arrivay Hyperrespondinens in Cig. Emolo exposed Pots. Lung 1993:Al.

From MSD+1 - 40

Underwood et al. Fovendal renotung emp. etc.

(Tems & Gold) An epidemiologic vady of prenatury, Am. J. Obsign. 1969; 108

MSPH 49)

Hood, R.D. - in Cobichan & w. 1000. Pay -269

Brooks an effects an But of moreong all confleme etc BM 1989; 208: 795

Haddow etal, - Am. J. Osset. 1985, 159: 481-4.

Allberg etal 1969. Aggranay outains among working woman. Stand, J. work.

EEG-FLG : P8P1. Auch source